

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S142  | 23   | (381/104-109).cds. and<br>(dynamic\$4) near20 (exclud<br>\$3 ignor\$3 avoid\$3 remov<br>\$3) near10 (between<br>above below threshold\$3<br>maximum minimum<br>boundar\$3 limit\$3)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/06<br>18:25 |
| S141  | 7    | (normaliz\$7 dynamic\$4 adj<br>compress\$4) near10 (audio<br>music song album) and<br>(calculat\$5 determin\$6)<br>near10 (power energ\$3<br>rms root\$1mean\$1square<br>root adj2 square spl sound<br>adj pressure) near20<br>(threshold\$3 boundar\$3<br>between above below<br>minimum maximum limit)<br>near20 (dynamic\$4) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/06<br>18:21 |
| S140  | 142  | (normaliz\$7 dynamic\$4 adj<br>compress\$4) near10 (audio<br>music song album) and<br>(calculat\$5 determin\$6)<br>near10 (power energ\$3<br>rms root\$1mean\$1square<br>root adj2 square spl sound<br>adj pressure) near20<br>(threshold\$3 boundar\$3<br>between above below<br>minimum maximum limit)                        | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/06<br>18:20 |
| S139  | 139  | (normaliz\$7 dynamic\$4 adj<br>compress\$4) near10 (audio<br>music song album) and<br>(calculat\$5 determin\$6)<br>near10 (power energ\$3<br>rms root\$1mean\$1square<br>root adj2 square spl sound<br>adj pressure) near20<br>(threshold\$3 boundar\$3<br>between above below<br>minimum maximum)                              | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/06<br>18:20 |
| S138  | 373  | (normaliz\$7 dynamic\$4 adj<br>compress\$4) near10 (audio<br>music song album) and<br>(calculat\$5 determin\$6)<br>near10 (power energ\$3<br>rms root\$1mean\$1square<br>root adj2 square spl sound<br>adj pressure)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/06<br>18:19 |

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| S137 | 115 | (calculat\$3 determin\$3) near10 (audio music song album) near10 (rms average adj (energy power) volume) and (normaliz\$7 dynamic\$4 adj compress\$4) and (threshold\$3 limit\$3 boundar\$3)                             | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>18:15 |
| S136 | 12  | (calculat\$3 determin\$3) near10 (audio music song album) near10 (rms average adj (energy power) volume) near20 (threshold\$3 limit\$3 boundar\$3) and (normaliz\$7 dynamic\$4 adj compress\$4)                          | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>18:13 |
| S135 | 123 | (calculat\$3 determin\$3) near10 (audio music song album) near10 (rms average adj (energy power) volume) and (normaliz\$7 dynamic\$4 adj compress\$4)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>18:13 |
| S134 | 1   | (calculat\$3 determin\$3) near10 (audio music song album) near10 (rms average adj (energy power) volume) same (exclud\$3 ignor\$3 avoid\$3 remov\$3) near10 (between above below) near5 (threshold\$3 maximum minimum)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>18:12 |
| S133 | 1   | (calculat\$3 determin\$3) near10 (audio music song album) near10 (rms average adj (energy power) volume) near10 (exclud\$3 ignor\$3 avoid\$3 remov\$3) near10 (between above below) near5 (threshold\$3 maximum minimum) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>18:12 |

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| S132 | 0    | (calculat\$3 determin\$3) near10 (audio music song album) near10 (rms average adj (energy power) volume) near10 (exclud\$3 ignor\$3 avoid\$3 remov\$3) near10 (between above below) near5 (threshold\$3 maximum minimum) and (normaliz\$7 dynamic\$4 adj compress \$4) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>18:12 |
| S131 | 23   | (audio music song album) near5 (normaliz\$7) and (exclud\$3 ignor\$3 avoid\$3 remov\$3) near10 (between above below) near5 (threshold\$3 maximum minimum)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>18:10 |
| S130 | 341  | (audio music song album) near5 (normaliz\$7) and (between above below) near5 (threshold\$3 maximum minimum)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>18:10 |
| S129 | 28   | (audio music song album) near5 (normaliz\$7) and (exclud\$3 ignor\$3 remov \$3) near5 (threshold\$3 maximum minimum)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>18:05 |
| S128 | 0    | (audio music song album) near5 (normaliz\$7) and (normaliz\$7) near20 (exclud\$3 ignor\$3 remov \$3) near5 (threshold\$3 maximum minimum)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>18:05 |
| S127 | 1028 | (audio music song album) near5 (normaliz\$7)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>18:05 |
| S126 | 0    | (audio music song album) near5 (normaliz\$7) near20 (exclud\$3 ignor\$3 remov \$3) near5 (threshold\$3 maximum minimum)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>18:05 |
| S125 | 39   | ((compact adj (disk disc) cd) near10 (writing writer burner burning) cd\$1r\$2) and (agc automatic adj (gain level volume) dynamic \$4 adj compress\$4 normaliz \$7) near10 (song album)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>13:09 |

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| S124 | 431   | ((compact adj (disk disc) cd) near10 (writing writer burner burning) cd\$1r\$2) and (agc automatic adj (gain level volume) dynamic \$4 adj compress\$4 normaliz \$7) near10 (audio song music album)                                     | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>13:08 |
| S123 | 67    | ((compact adj (disk disc) cd) near10 (writing writer burner burning) cd\$1r\$2) and (agc automatic adj (gain level volume) dynamic \$4 adj compress\$4 normaliz \$7) near10 (writing writer burning burning)                             | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>13:06 |
| S122 | 4     | ((compact adj (disk disc) cd) near10 (writing writer burner burning) cd\$1r\$2) and (agc automatic adj (gain level volume) dynamic \$4 adj compress\$4 normaliz \$7) near10 (prior before ahead) near10 (writing writer burning burning) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>12:56 |
| S121 | 10    | ((compact adj (disk disc) cd) near10 (writing writer burner burning) cd\$1r\$2) same (agc automatic adj (gain level volume) dynamic \$4 adj compress\$4 normaliz \$7) near10 (audio music song track sound)                              | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>12:53 |
| S120 | 859   | ((compact adj (disk disc) cd) near10 (writing writer burner burning) cd\$1r\$2) same (agc automatic adj (gain level volume) dynamic \$4 adj compress\$4 normaliz \$7)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>12:53 |
| S119 | 30414 | ((compact adj (disk disc) cd) near10 (writing writer burner burning) cd\$1r\$2) and (agc automatic adj (gain level volume) dynamic \$4 adj compress\$4 normaliz \$7)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>12:52 |
| S118 | 4     | ((369/47.25,124.1).cds. and (compact adj (disk disc) cd) near10 (writing writer burner burning)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/06<br>12:51 |

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| S117 | 7   | ("5303371"   "5706357"   "5956494"   "6072367"   "6088461"   "6377862"   "6560497").PN.   | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON | 2009/05/05<br>18:58 |
| S116 | 1   | ("6725111").URPN.   | USPAT   | OR | ON | 2009/05/05<br>18:58 |
| S115 | 127 | 369/124.1.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>14:18 |
| S114 | 173 | 369/47.25.ccls.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>14:18 |
| S113 | 3   | "2002246827"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>14:16 |
| S112 | 3   | "2002240358"  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>14:15 |
| S111 | 26  | (record\$3 storing storage)<br>near10 (after prior before)<br>near10 (agc automatic adj<br>(gain level volume) dynamic<br>\$4 adj compress\$4 normaliz<br>\$7) and (mix\$3<br>compilation) near10<br>(recording cd tape disk<br>disc) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>13:24 |
| S110 | 43  | S109 and (audio music<br>song album) near20 (agc<br>automatic adj (gain level<br>volume) dynamic\$4 adj<br>compress\$4 normaliz\$7)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>13:05 |
| S109 | 913 | (record\$3 storing storage)<br>near10 (after prior before)<br>near10 (agc automatic adj<br>(gain level volume) dynamic<br>\$4 adj compress\$4 normaliz<br>\$7)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>13:04 |
| S108 | 6   | (381/104-109,119).ccls.<br>and (record\$3 storing<br>storage) near10 (after<br>prior before) near10 (agc<br>automatic adj (gain level<br>volume) dynamic\$4 adj<br>compress\$4 normaliz\$7)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>12:52 |

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| S107 | 86  | 381/104-109.cds. and<br>381/119.cds.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>12:43 |
| S106 | 803 | 381/104.cds.   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/05<br>12:11 |
| S105 | 33  | (master\$3 record\$3)<br>near10 (audio music song<br>album) near20 (volume<br>gain level loudness) near10<br>(perceived perception)              | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:52 |
| S104 | 72  | (master\$3 record\$3)<br>near10 (audio music song<br>album) same (volume gain<br>level loudness) near10<br>(perceived perception)                | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:52 |
| S103 | 0   | (re\$1master\$3 re\$1record<br>\$3) near10 (audio music<br>song album) same (volume<br>gain level loudness) near10<br>(perceived perception)     | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:52 |
| S102 | 0   | (re\$1master\$3 re\$1record<br>\$3) near10 (audio music<br>song album) same (volume<br>gain level loudness) near5<br>(perceived perception)      | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:52 |
| S101 | 0   | (re\$1master\$3 re\$1record<br>\$3) near10 (audio music<br>song album) near20<br>(volume gain level<br>loudness) near5 (perceived<br>perception) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:52 |
| S100 | 28  | (re\$1master\$3 re\$1record<br>\$3) near10 (audio music<br>song album) and (normaliz<br>\$6 agc automatic adj (level<br>gain))                   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:45 |
| S99  | 0   | (re\$1master\$3 re\$1record<br>\$3) near10 (audio music<br>song album) and (normaliz<br>\$6 agc automatic adj (level<br>gain)) near10 (loudness) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:45 |

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| S98 | 10  | ("20020051549"  <br>"20030023429"  <br>"20030219130"  <br>"20030223597"  <br>"5117228"   "5796847"  <br>"6108431"   "6336219"  <br>"6731767"   "6865274").<br>PN. | US-PGPUB;<br>USPAT; USOCR                                     | OR | ON | 2009/05/04<br>20:39 |
| S97 | 4   | ("7072477").URPN.   | USPAT   | OR | ON | 2009/05/04<br>20:36 |
| S96 | 8   | replay adj gain   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:35 |
| S95 | 5   | (normaliz\$6) near20 (audio<br>music song album) near10<br>(record\$3) and (loudness)<br>near10 (recording normaliz<br>\$6)                                       | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:34 |
| S94 | 3   | (normaliz\$6) near20 (audio<br>music song album) near10<br>(record\$3) same<br>(loudness)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:33 |
| S93 | 105 | (normaliz\$6) near20 (audio<br>music song album) near10<br>(record\$3)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:32 |
| S92 | 267 | (normaliz\$6) same (audio<br>music song album) near10<br>(record\$3)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:32 |
| S91 | 5   | (rms root\$1mean\$1square<br>root adj mean adj square)<br>near2 (normaliz\$6) and<br>(audio music song album)<br>near10 (record\$3)                               | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:26 |
| S90 | 3   | (rms root\$1mean\$1square<br>root adj mean adj square)<br>near2 (normaliz\$6) near20<br>(audio music song album)  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:25 |
| S89 | 1   | (rms root\$1mean\$1square<br>root adj mean adj square)<br>near2 (normaliz\$6) near20<br>(record\$3)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:25 |

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| S88 | 403 | (rms root\$1mean\$1square<br>root adj mean adj square<br>near2 (normaliz\$6)   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>20:25 |
| S87 | 2   | ("5019922").URPN.  | USPAT   | OR | ON | 2009/05/04<br>14:27 |
| S86 | 4   | (record\$3) near5 (audio<br>music song sound) and<br>(automatic\$4) near5 (agc<br>automatic adj (gain<br>volume)) near10 (record\$3<br>storing) near5 (medium<br>storage disk disc memory) | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>14:26 |
| S85 | 1   | (record\$3) near5 (audio<br>music song sound) near5<br>(medium disc disk storage)<br>near20 (automatic\$4)<br>near5 (agc automatic adj<br>(gain volume))                                   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>14:21 |
| S84 | 6   | S81 not S82  | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>14:19 |
| S82 | 73  | (record\$3) near5 (audio<br>music song sound) near20<br>(automatic\$4) near5 (agc<br>automatic adj (gain<br>volume))   | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>14:19 |
| S81 | 79  | (record\$3) near5 (audio<br>music song sound) near20<br>(automatic\$4) near5 (agc<br>automatic adj (gain<br>volume) dynamic\$4 adj<br>compress\$4 normaliz\$5)                             | US-PGPUB;<br>USPAT; FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/04<br>14:18 |

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